

# VENKATA SAI MOHAN YEDLA

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## Career Summary

DevOps Engineer with over 3 years of proven expertise in managing on-premises and private cloud infrastructures, deploying and maintaining Kubernetes clusters, and implementing blue-green deployment strategies to ensure zero downtime upgrades. Adept at leveraging automation tools like Terraform and Ansible to drive operational efficiency, enhance scalability, and reduce costs. Successfully led projects that saved clients over £20,000 annually by migrating and optimizing infrastructure, delivering secure and reliable solutions for highly regulated industries.

## Technical Skills

**DevOps & Automation Tools:** Jenkins, Git, Ansible, Docker, Kubernetes, SonarQube, Nexus, UC Deploy.

**Cloud Platforms:** Amazon Web Services, Microsoft Azure.

**Cloud Tools:** AWS (CloudWatch, CloudFormation, DynamoDB, CodeCommit, SQS, S3)

**Scripting & Programming:** Python, Java, C, .Net, SQL, Unix/Linux shell scripting, Groovy.

**Monitoring & Logging:** Prometheus, Grafana, Splunk and Dynatrace.

**Project Management & Ticketing:** Jira, Slack, Confluence, and ServiceNow.

**Methodologies:** SDLC, Agile (Scrum/Kanban), DevOps, Infrastructure as Code (IaC), IT Service Management (ITSM).

## Education

University of New Haven, West Haven, Connecticut

Aug 2023 – Dec 2024

Master of Science in Data Science, GPA: 3.94/4.0

## Accomplishments

**Inspiring Performance Award:** Wipro recognizes exceptional commitment to the achievement of project milestones.

**‘Wall of Fame’ Recognition:** Honored by the client for outstanding DevOps solutions.

**Habit Flagbearer Award:** Award is given to promote collaboration and effective knowledge transfer in the team.

## Work Experience

**DevOps Engineer** | Wipro Limited | Client - Lloyd's Banking Group

Aug 2020 – Aug 2023

**Project:** Cloud & Infra Uplift

Apr 2022 – Aug 2023

**Tech Stack:** AWS, Jenkins, GitHub, Ansible, Terraform, Kubernetes, Helm

- Developed, implemented and optimized CI/CD pipelines using Jenkins, integrating GitHub for version control and automated job scheduling with SCM Polling and Webhooks, reducing deployment failures by 30%.
- Led end-to-end infrastructure upgrades throughout development to production environments using blue-green deployment to ensure zero downtime for customer operations, leading to 99.99% system uptime.
- Maintained strict security protocols within the deployment and configuration processes, adhered to banking compliance requirements, reducing security incidents by 40%.
- Collaborated with cross-functional teams to design scalable and resilient architectures for enterprise applications, achieving a 2x system scalability.

**Project:** Sandbox Migration

Aug 2020 – Mar 2022

**Tech Stack:** AWS, Kubernetes, Helm, Terraform, Ansible, Jenkins, GitHub, Dynatrace

- Migrated Kubernetes and Helm-based infrastructure to on-premises servers, enhancing data security, optimizing resource usage, and driving operational efficiency with Terraform and Ansible, leading to a 20% cost reduction.
- Reduced deployment times by 40% by optimizing CI/CD pipelines using Jenkins and GitHub while ensuring seamless application integration with development teams.
- Documented best practices and conducted knowledge sharing sessions to prepare teams for the maintenance of the on-premises infrastructure, increasing the efficiency of the team by 35%.

## Summary of Key Projects and Contributions:

**CI/CD Optimization:** Spearheaded CI/CD automation, cutting deployment time by 40% and increasing system reliability by 30% with Jenkins and GitHub integrations.

**Cloud Infrastructure Management:** Managed scalable, cost-effective infrastructure on AWS and Azure, using Infrastructure as Code to automate and secure resources.

**Security and Compliance:** Integrated robust security practices in DevOps workflows, enhancing compliance in financial services.

**Mentorship and Leadership:** Trained and mentored junior engineers, conducted knowledge transfer, and led DevOps operations without project leads, supporting continuous improvement and team collaboration.